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| 10/775,411 | 02/10/2004 | Glenn Gaarder | 084061-0573 | 9748 |

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| 22879 | 7590 | 01/29/2008 |
| HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400 | | |

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| EXAMINER | |
| MORRISON, THOMAS A | |

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| ART UNIT | PAPER NUMBER |
| 3653 | |

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| NOTIFICATION DATE | DELIVERY MODE |
| 01/29/2008 | ELECTRONIC |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/775,411

Applicant(s)

GAARDER ET AL.

Examiner

THOMAS A. MORRISON

Art Unit

3653

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 November 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-14,16-25,30,31,33-35,37 and 38 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 25 and 37 is/are allowed.
- 6) ☒ Claim(s) 1-3,5-14,16-24,30,31,33-35 and 38 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

1. The indicated allowability of claims 3, 6, 7, 9, 14 and 16-23 is withdrawn in view of the new rejection under 35 U.S.C. 112, second paragraph. The rejections follow. The examiner regrets any inconvenience that may have been caused by this new rejection. Applicant is welcome to contact the examiner to work out language to overcome the following rejections, which can be entered by an examiner's amendment.

Claim Objections

2. Claim 1 is objected to because of the following informalities: (1) "year" in the last line of claim 1 should be -- gear --. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-3, 5-14, 16-24, 30-31, 33-35 and 38 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding independent claims 1 and 38, these claims both recite, "a first gear coupled to the first roller". Then, these claims both recite, "a third gear movable between a first position in which the third gear is in power-transmitting engagement with the first gear and the second gear and a second position in which **the third gear is out of engagement with the second gear**". (emphasis added). This appears to be inaccurate. In particular, the instant application appears to show that elements 82, 104 and 110 correspond to the recited first, second and third gears, respectively. Numbered

Art Unit: 3653

paragraphs [0024] and [0047] of the instant application explain that gear (104) is continuously engaged with gear (110), and that gear (110) disengages from gear (82). In other words, it appears that in the second position, the third gear (110) is out of engagement with the first gear (82), rather than the second gear (104), as presently claimed.

Regarding independent claim 16, this claim recites, "the power train including: a first gear; a second gear; and a third gear movable between a first position in which the third gear is in power transmitting engagement with the first gear and the second gear and a second position in which the **third gear is out of engagement with the second gear**; and a dwell mechanism **between the first roller and the first gear**". (emphasis added). This appears to be inaccurate. In particular, the instant application appears to show that elements 82, 104 and 110 correspond to the recited first, second and third gears, respectively. Numbered paragraphs [0024] and [0047] of the instant application explain that gear (104) is continuously engaged with gear (110), and that gear (110) disengages from gear (82). In other words, it appears that in the second position, the third gear (110) is out of engagement with the first gear (82), rather than the second gear (104), as presently claimed.

Allowable Subject Matter

4. Claims 25 and 37 are allowed. Claims 1, 16, 38 and their dependent claims would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to THOMAS A. MORRISON whose telephone number is (571)272-7221. The examiner can normally be reached on M-F, 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Mackey can be reached on (571) 272-6916. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

1/22/2008


PATRICK MACKEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600